

Worksheet for Determining Liquid Limit and Plastic Limit of Soils AASHTO T 89, Method A or B and AASHTO T 90

Project:			Source: _		Sample of:						Quantity represented:											
Lot no Sam	Sample no Sampled by:					Date:			Tested by:					Date:								
Liqui	d Limit AA	SHTO T 8	39																			
Determination No.	1	2	3	4																		
Number of blows																						
Container No.																						
Mass of container & wet soil																						
Mass of container & dry soil																	$\overline{+}$	+				\blacksquare
Mass of water																	\equiv	\pm				
Mass of container					1			-							+		++	+	\vdash	+	++	+
Mass of dry soil																	\pm	\blacksquare				
Water content (%)																	$\pm \pm$	\pm		+		
Liquid limit					୍ର 🗀												$\pm \pm$	\pm				
Final liquid limit (LL):					<u> </u>												丗	\pm		\blacksquare		
					Moisture												\pm	士				\pm
																	#	\pm		\blacksquare		
Plastic Limit AASHTO T 90					-												#	丰		\exists		
Determination No.	1	2	3	4													#	#		\blacksquare		#
Container No.																	#	#		\Box	#	#
Mass of container & wet soil																	\pm	士				
Mass of container & dry soil					↓												#	丰				
Mass of water															1			土			世	
Mass of container					10			15			2	0			25		:	30		35		4
Mass of dry soil									1	Num	ber	of b	low	S								
Water content (%)																						
Plastic limit																						
		Final plast	tic limit (PL):		1																	

CALCULATIONS

Plasticity Index = ____ (LL) - ___ (PL) = ____